



OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/033,741A

DATE: 07/02/2002
TIME: 13:34:28

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07022002\J033741A.raw

Does Not Comply
Corrected Diskette Needed

(dw)

4 <110> APPLICANT: Herman, et al.
8 <120> TITLE OF INVENTION: Proteins, Genes and Their Use For Diagnosis and Treatment of
Vascular
9 Response
13 <130> FILE REFERENCE: 9195-079
17 <140> CURRENT APPLICATION NUMBER: 10/033,741A
C--> 19 <141> CURRENT FILING DATE: 2002-06-13
23 <150> PRIOR APPLICATION NUMBER: 60/260,387
25 <151> PRIOR FILING DATE: 2000-12-29
29 <150> PRIOR APPLICATION NUMBER: 60/254,977
31 <151> PRIOR FILING DATE: 2000-10-24
34 <160> NUMBER OF SEQ ID NOS: 80
38 <170> SOFTWARE: PatentIn version 3.1
42 <210> SEQ ID NO: 1
44 <211> LENGTH: 10
46 <212> TYPE: PRT
48 <213> ORGANISM: *Rattus (global misspelling)* *Norvegicus*
52 <400> SEQUENCE: 1
54 Leu Val Gln Glu Val Thr Asp Phe Ala Lys
55 1 5 10
58 <210> SEQ ID NO: 2
60 <211> LENGTH: 17
62 <212> TYPE: PRT
64 <213> ORGANISM: *Norvegicus* *Norvegicus*
68 <400> SEQUENCE: 2
70 Ala Asp Thr Gly Thr Thr Ser Glu Phe Ile Asp Glu Gly Ala Gly Ile
71 1 5 10 15
74 Arg
78 <210> SEQ ID NO: 3
80 <211> LENGTH: 13
82 <212> TYPE: PRT
84 <213> ORGANISM: *Norvegicus* *Norvegicus*
88 <400> SEQUENCE: 3
90 Ala Gly Ala Leu Asn Ser Asn Asp Ala Phe Val Leu Lys
91 1 5 10
94 <210> SEQ ID NO: 4
96 <211> LENGTH: 9
98 <212> TYPE: PRT
100 <213> ORGANISM: *Norvegicus* *Norvegicus*
104 <400> SEQUENCE: 4
106 Ala Lys Pro Ala Leu Glu Asp Leu Arg
107 1 5
110 <210> SEQ ID NO: 5
112 <211> LENGTH: 12

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/033,741A

DATE: 07/02/2002
TIME: 13:34:28

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07022002\J033741A.raw

114 <212> TYPE: PRT
116 <213> ORGANISM: Ratus Norvegicus
120 <400> SEQUENCE: 5
122 Ala Leu Glu Glu Ser Asn Tyr Glu Leu Glu Gly Lys
123 1 5 10
126 <210> SEQ ID NO: 6
128 <211> LENGTH: 14
130 <212> TYPE: PRT
132 <213> ORGANISM: Ratus Norvegicus
136 <400> SEQUENCE: 6
138 Ala Pro Gln Val Ser Thr Pro Thr Leu Val Glu Ala Ala Arg
139 1 5 10
142 <210> SEQ ID NO: 7
144 <211> LENGTH: 12
146 <212> TYPE: PRT
148 <213> ORGANISM: Ratus Norvegicus
152 <400> SEQUENCE: 7
154 Ala Ser Gly Ile Ile Asp Thr Leu Phe Gln Asp Arg
155 1 5 10
158 <210> SEQ ID NO: 8
160 <211> LENGTH: 11
162 <212> TYPE: PRT
164 <213> ORGANISM: Ratus Norvegicus
168 <400> SEQUENCE: 8
170 Ala Thr Ile Asp Gln Asn Leu Glu Asp Leu Arg
171 1 5 10
174 <210> SEQ ID NO: 9
176 <211> LENGTH: 9
178 <212> TYPE: PRT
180 <213> ORGANISM: Ratus Norvegicus
184 <400> SEQUENCE: 9
186 Ala Thr Val Leu Tyr Gln Gly Gln Arg
187 1 5
190 <210> SEQ ID NO: 10
192 <211> LENGTH: 11
194 <212> TYPE: PRT
196 <213> ORGANISM: Ratus Norvegicus
200 <400> SEQUENCE: 10
202 Ala Thr Trp Ser Gly Ala Val Leu Ala Gly Arg
203 1 5 10
206 <210> SEQ ID NO: 11
208 <211> LENGTH: 10
210 <212> TYPE: PRT
212 <213> ORGANISM: Ratus Norvegicus
216 <400> SEQUENCE: 11
218 Asp Glu Pro Pro Gln Ser Pro Trp Asp Arg
219 1 5 10
222 <210> SEQ ID NO: 12
224 <211> LENGTH: 7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,741A

DATE: 07/02/2002

TIME: 13:34:28

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07022002\J033741A.raw

226 <212> TYPE: PRT
228 <213> ORGANISM: Ratus Norvegicus
232 <400> SEQUENCE: 12
234 Asp Arg Leu Glu Glu Val Arg
235 1 5
238 <210> SEQ ID NO: 13
240 <211> LENGTH: 9
242 <212> TYPE: PRT
244 <213> ORGANISM: Ratus Norvegicus
248 <400> SEQUENCE: 13
250 Asp Trp Val Gln Glu Thr Met Ala Lys
251 1 5
254 <210> SEQ ID NO: 14
256 <211> LENGTH: 7
258 <212> TYPE: PRT
260 <213> ORGANISM: Ratus Norvegicus
264 <400> SEQUENCE: 14
266 Glu Asp Phe Pro Phe Leu Arg
267 1 5
270 <210> SEQ ID NO: 15
272 <211> LENGTH: 10
274 <212> TYPE: PRT
276 <213> ORGANISM: Ratus Norvegicus
280 <400> SEQUENCE: 15
282 Glu Asp Gly Gly Trp Trp Tyr Asn Arg
283 1 5 10
286 <210> SEQ ID NO: 16
288 <211> LENGTH: 10
290 <212> TYPE: PRT
292 <213> ORGANISM: Ratus Norvegicus
296 <400> SEQUENCE: 16
298 Glu Leu Leu Asp Ser Tyr Ile Asp Gly Arg
299 1 5 10
302 <210> SEQ ID NO: 17
304 <211> LENGTH: 8
306 <212> TYPE: PRT
308 <213> ORGANISM: Ratus Norvegicus
312 <400> SEQUENCE: 17
314 Glu Leu Tyr Leu Val Ala Tyr Lys
315 1 5
318 <210> SEQ ID NO: 18
320 <211> LENGTH: 11
322 <212> TYPE: PRT
324 <213> ORGANISM: Ratus Norvegicus
328 <400> SEQUENCE: 18
330 Glu Gln Pro Ile Leu Ser Glu Phe Gln Glu Lys
331 1 5 10
334 <210> SEQ ID NO: 19
336 <211> LENGTH: 12

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/033,741A

DATE: 07/02/2002
TIME: 13:34:28

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07022002\J033741A.raw

338 <212> TYPE: PRT
340 <213> ORGANISM: Ratus Norvegicus
344 <400> SEQUENCE: 19
346 Glu Val Val Ala Asp Ser Val Trp Val Asp Val Lys
347 1 5 10
350 <210> SEQ ID NO: 20
352 <211> LENGTH: 10
354 <212> TYPE: PRT
356 <213> ORGANISM: Ratus Norvegicus
360 <400> SEQUENCE: 20
362 Glu Tyr Thr Asp Asp Ser Phe Thr Asn Arg
363 1 5 10
366 <210> SEQ ID NO: 21
368 <211> LENGTH: 13
370 <212> TYPE: PRT
372 <213> ORGANISM: Ratus Norvegicus
376 <400> SEQUENCE: 21
378 Phe Ala Thr Asn Phe Tyr Gln His Leu Ala Asp Ser Lys
379 1 5 10
382 <210> SEQ ID NO: 22
384 <211> LENGTH: 9
386 <212> TYPE: PRT
388 <213> ORGANISM: Ratus Norvegicus
392 <400> SEQUENCE: 22
394 Phe Gly Leu Tyr Ser Asp Gln Met Arg
395 1 5
398 <210> SEQ ID NO: 23
400 <211> LENGTH: 11
402 <212> TYPE: PRT
404 <213> ORGANISM: Ratus Norvegicus
408 <400> SEQUENCE: 23
410 Phe Asn Pro Val Thr Gly Glu Val Pro Pro Arg
411 1 5 10
414 <210> SEQ ID NO: 24
416 <211> LENGTH: 11
418 <212> TYPE: PRT
420 <213> ORGANISM: Ratus Norvegicus
424 <400> SEQUENCE: 24
426 Phe Pro Asn Ala Glu Phe Ala Glu Ile Thr Lys
427 1 5 10
430 <210> SEQ ID NO: 25
432 <211> LENGTH: 10
434 <212> TYPE: PRT
436 <213> ORGANISM: Ratus Norvegicus
440 <400> SEQUENCE: 25
442 Phe Ser Ile Ser Thr Asp Tyr Ser Leu Lys
443 1 5 10
446 <210> SEQ ID NO: 26
448 <211> LENGTH: 6

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/033,741A

DATE: 07/02/2002
TIME: 13:34:28

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07022002\J033741A.raw

450 <212> TYPE: PRT
452 <213> ORGANISM: Ratus Norvegicus
456 <400> SEQUENCE: 26
458 Phe Trp Asp Tyr Leu Arg
459 1 5
462 <210> SEQ ID NO: 27
464 <211> LENGTH: 13
466 <212> TYPE: PRT
468 <213> ORGANISM: Ratus Norvegicus
472 <400> SEQUENCE: 27
474 Gly Leu Ile Asp Glu Ala Asn Gln Asp Phe Thr Asn Arg
475 1 5 10
478 <210> SEQ ID NO: 28
480 <211> LENGTH: 13
482 <212> TYPE: PRT
484 <213> ORGANISM: Ratus Norvegicus
488 <400> SEQUENCE: 28
490 Gly Gln Phe Glu Asp Val Thr Leu Tyr Gln Gly Glu Arg
491 1 5 10
494 <210> SEQ ID NO: 29
496 <211> LENGTH: 8
498 <212> TYPE: PRT
500 <213> ORGANISM: Ratus Norvegicus
504 <400> SEQUENCE: 29
506 Gly Ser Phe Pro Trp Gln Ala Lys
507 1 5
510 <210> SEQ ID NO: 30
512 <211> LENGTH: 12
514 <212> TYPE: PRT
516 <213> ORGANISM: Ratus Norvegicus
520 <400> SEQUENCE: 30
522 Gly Thr Asp Phe Gln Leu Asn Gln Leu Gln Gly Lys
523 1 5 10
526 <210> SEQ ID NO: 31
528 <211> LENGTH: 12
530 <212> TYPE: PRT
532 <213> ORGANISM: Ratus Norvegicus
536 <400> SEQUENCE: 31
538 Gly Trp Phe Glu Pro Leu Val Glu Asp Met Gln Arg
539 1 5 10
542 <210> SEQ ID NO: 32
544 <211> LENGTH: 12
546 <212> TYPE: PRT
548 <213> ORGANISM: Ratus Norvegicus
552 <400> SEQUENCE: 32
554 His Gln Phe Leu Leu Thr Gly Asp Thr Gln Gly Arg
555 1 5 10
558 <210> SEQ ID NO: 33
560 <211> LENGTH: 11

VERIFICATION SUMMARY

DATE: 07/02/2002

PATENT APPLICATION: US/10/033,741A

TIME: 13:34:29

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\07022002\J033741A.raw

L:19 M:271 C: Current Filing Date differs, Replaced Current Filing Date